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PTO/SB/81 (10-00)

Approved for use through 10/31/2002. OMB 0651-0035
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**POWER OF ATTORNEY OR
AUTHORIZATION OF AGENT**

Application Number	10/804,586
Filing Date	March 19, 2004
First Named Inventor	De La Vega et al.
Group Art Unit	1634
Examiner Name	To be assigned
Attorney Docket Number	5150

I hereby appoint:

☒ Practitioners at Customer Number

22896

OR

☐ Practitioner(s) named below:

22896

PATENT TRADEMARK OFFICE

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

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I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (PTO/SB/96)

SIGNATURE of Applicant or Assignee of Record

Signature

Name


Phil N. Makrogiannis, Patent Attorney, Reg. No. 47,766

Date

September 10, 2004

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.*

☐ * Total of _____ forms are submitted.

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STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: De La Vega and IsaacApplication No./Patent No.: 10/804,586 Filed/Issue Date: March 19, 2004Entitled: Identification of Haplotype DiversityApplera Corporation

(Name of Assignee)

, a Corporation

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by, percentage) of its ownership interest is _____ %

In the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above was filed using EPAS.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

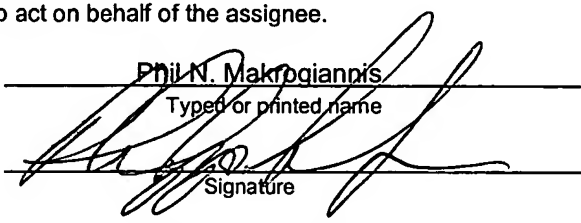
The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

September 10, 2004

Date

Phil N. Makrogiannis

Typed or printed name


SignaturePatent Attorney

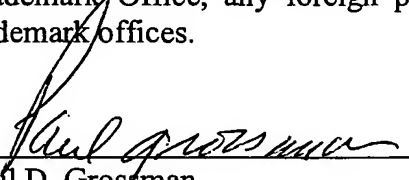
Title

**LIMITED AUTHORIZATION TO ACT ON BEHALF OF ASSIGNEE
REGARDING CERTAIN PATENT AND TRADEMARK MATTERS
EFFECTIVE THROUGH: December 31, 2006**

I, Paul D. Grossman, as Assistant Secretary of Applera Corporation ("Applera"), hereby authorize the following patent attorneys:

Scott R. Bortner, Reg. No. 34,298
John W. Burns, Reg. No. 43,520
Jeffery D. Frazier, Reg. No. 34,601
Brian D. Gildea, Reg. No. 39,995
Andrew T. Karnakis, Reg. No. 27,909
Phil N. Makrogiannis, Reg. No. 47,766
Vincent M. Powers, Reg. No. 36,246

(1) to act on behalf of Applera, with regard to any matters before the United States Patent and Trademark Office, any foreign patent or trademark offices, and any international patent or trademark entities, (2) to execute power of attorney documents on behalf of Applera, to appoint and/or establish any attorneys, agents, and/or law firms to act on behalf of Applera, in any foreign or international patent or trademark applications filed with any foreign and/or international patent or trademark offices, and (3) to execute assignment and ownership documents on behalf of Applera, with regard to any matters before the United States Patent and Trademark Office, any foreign patent or trademark offices, and any international patent or trademark offices.



Paul D. Grossman
Assistant Secretary,
Applera Corporation

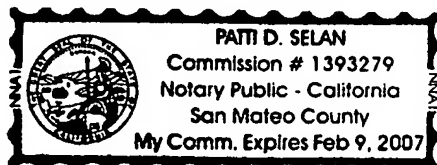
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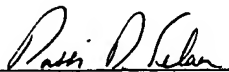
Date

State of California)
) ss.
County of San Mateo)

On March 26, 2004 before me, Patti D. Selan, personally appeared Paul D. Grossman, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

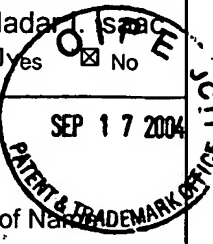
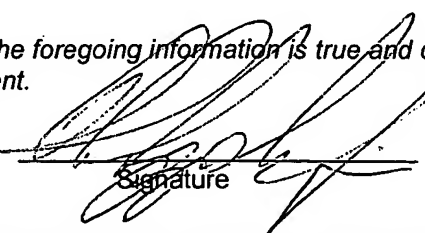
WITNESS my hand and official seal.





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Form PTO-1595 (Rev. 03/01)		RECORDATION FORM COVER SHEET PATENTS ONLY		U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office	
OMB No. 0651-0027 (exp. 5/31/2002)		Case No: 5150			
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies) thereof.					
1. Name of conveying party(ies): Francisco M. De La Vega and Hadar I. Israc Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies): Name: <u>Applera Corporation</u> Internal Address: <u>Applied Biosystems Group</u> Street Address: <u>850 Lincoln Centre Drive</u> City: <u>Foster City</u> State: <u>CA</u> ZIP: <u>94404-1128</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: _____ Execution Date: <u>September 2, 2004</u>					
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) 10/804,586 B. Patent No.(s) Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
5. Name and address of party to whom correspondence concerning document should be mailed: Kirk E. Pastorian Applied Biosystems Group 850 Lincoln Centre Drive Foster City, California 94404-1128 Telephone: 650-570-6667		6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 3.41): \$ <u>40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input checked="" type="checkbox"/> Authorization to charge additional fees. 8. Deposit account number: <u>01-2213</u> (Attached duplicate copy of this page if paying by deposit account)			
DO NOT USE THIS SPACE					
9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i> Phil N. Makrogiannis, Reg. No. 47,766 Name of Person Signing  Date <u>Sept 10/04</u> Total number of pages comprising cover sheet, attachments and document: <u>4</u>					

Mail documents to be recorded with required cover sheet information to:
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ASSIGNMENT

For good and valuable consideration paid to us, receipt of which is hereby acknowledged, we each:

Francisco M. De La Vega, 27 Eastwood Drive, San Mateo, CA 94403, Citizenship: Mexico
Hadar I. Isaac, P.O. Box 735, Los Altos, CA 94023, Citizenship: US

do hereby sell, assign, and set over unto

Applera Corporation

a Delaware corporation having a place of business at 850 Lincoln Centre Drive, Foster City, California 94404 (hereinafter "Assignee"), its successors, legal representatives and assigns, each of our entire right, title, and interest in and to any and all of our inventions and discoveries entitled:

IDENTIFICATION OF HAPLOTYPE DIVERSITY

as described and/or claimed in our United States patent application, having an oath or declaration fully executed by us and, subsequently assigned Serial Number 10/804,586 and filing date of March 19, 2004 by the United States Patent and Trademark Office; in and to the right to file patent applications in the name of Assignee, its designee, in all of our names, or in any other name or names, on the aforesaid inventions and discoveries in any or all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified United States patent application under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models, and under any other international arrangement to which the United States now is or hereafter becomes a signatory; in and to any and all applications for Letters Patent, and any and all Letters Patent that issue on any of the aforesaid applications, and in and to any and all divisions, continuations, and continuations-in-part of any and all of said applications, and any and all reissues, renewals and extensions of any of said Letters Patent, such that the same right, title and interest to be held and enjoyed by Assignee, its successors, assigns or other legal representatives, to the full ends of the terms for which all Letters Patent therefor may be granted, shall be as full and complete as that that would have been held and enjoyed by us if this assignment and sale had not been made.

We further hereby covenant and agree, for the same consideration, whenever counsel of Assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with said invention, or said application for Letters Patent, including interference proceedings, is lawful and desirable, or that any division, continuation, or continuation-in-part of any application for Letters Patent, or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable to sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said invention, without charge to said Assignee, its successors, legal representatives and assigns, but at the cost and expense of said Assignee, its successors, legal representatives and assigns.

We hereby authorize Assignee to insert in this instrument the serial number and filing date of said application when officially notified thereof.

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Name of inventor: **Francisco M. De La Vega**

Inventor's signature _____



Date: _____

9/2/2004

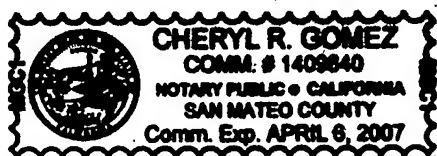
State of California)

) ss.

County of San Mateo)

On September 2, 2004 before me, Cheryl R. Gomez, Notary Public, personally appeared Francisco De La Vega, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity, and that by his/~~her/their~~ signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



Cheryl R. Gomez
Notary Public

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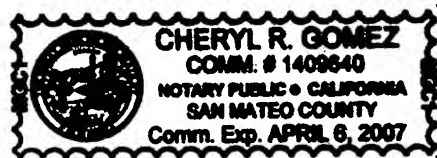
Name of inventor: **Hadar I. Isaac**

Inventor's signature H. Isaac Date: 9-2-04

State of California)
) ss.
County of San Mateo)

On September 2, 2004 before me, Cheryl R. Gomez, Notary Public, personally appeared Hadar Isaac, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity, and that by his/~~her/their~~ signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



Cheryl R. Gomez
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